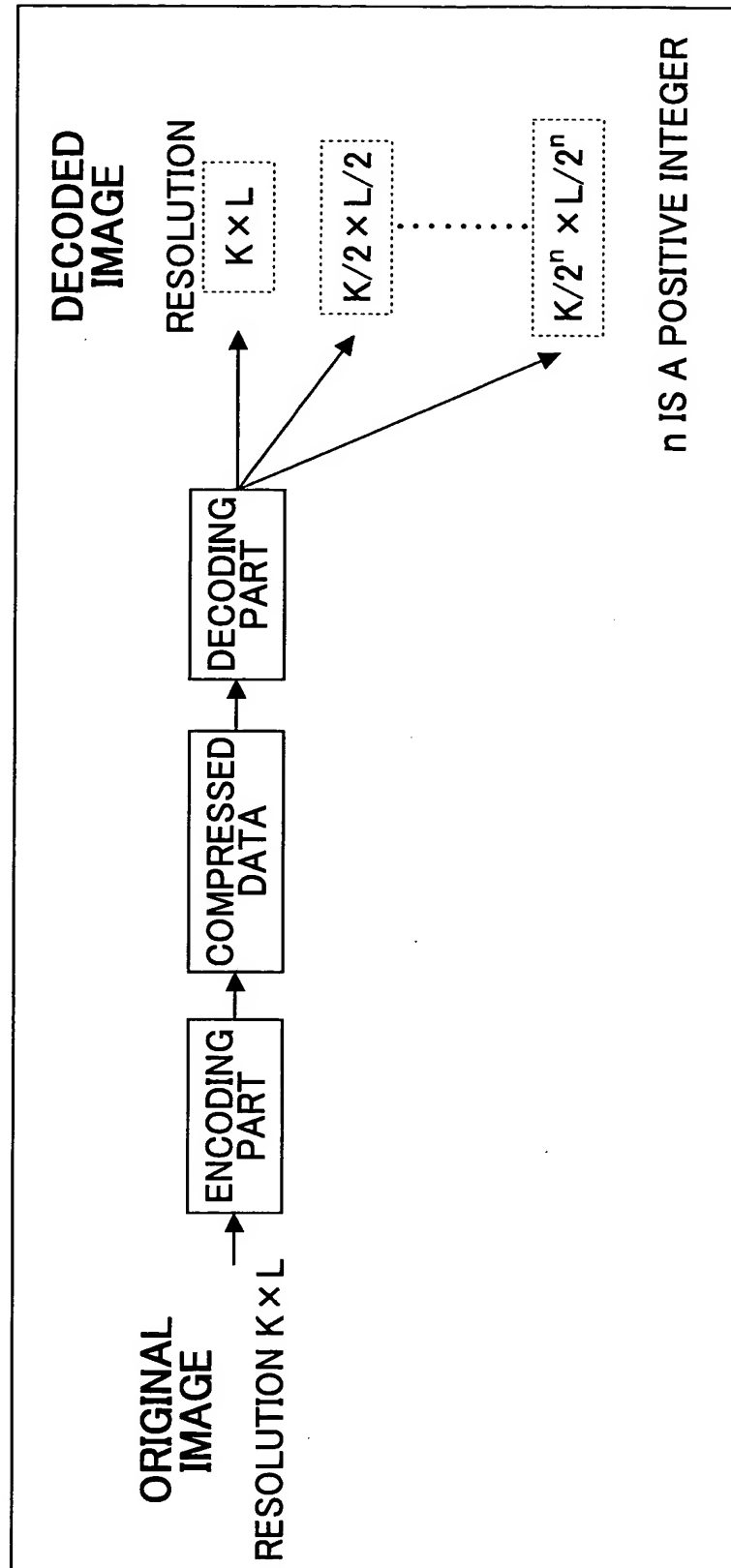


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FIG. 1

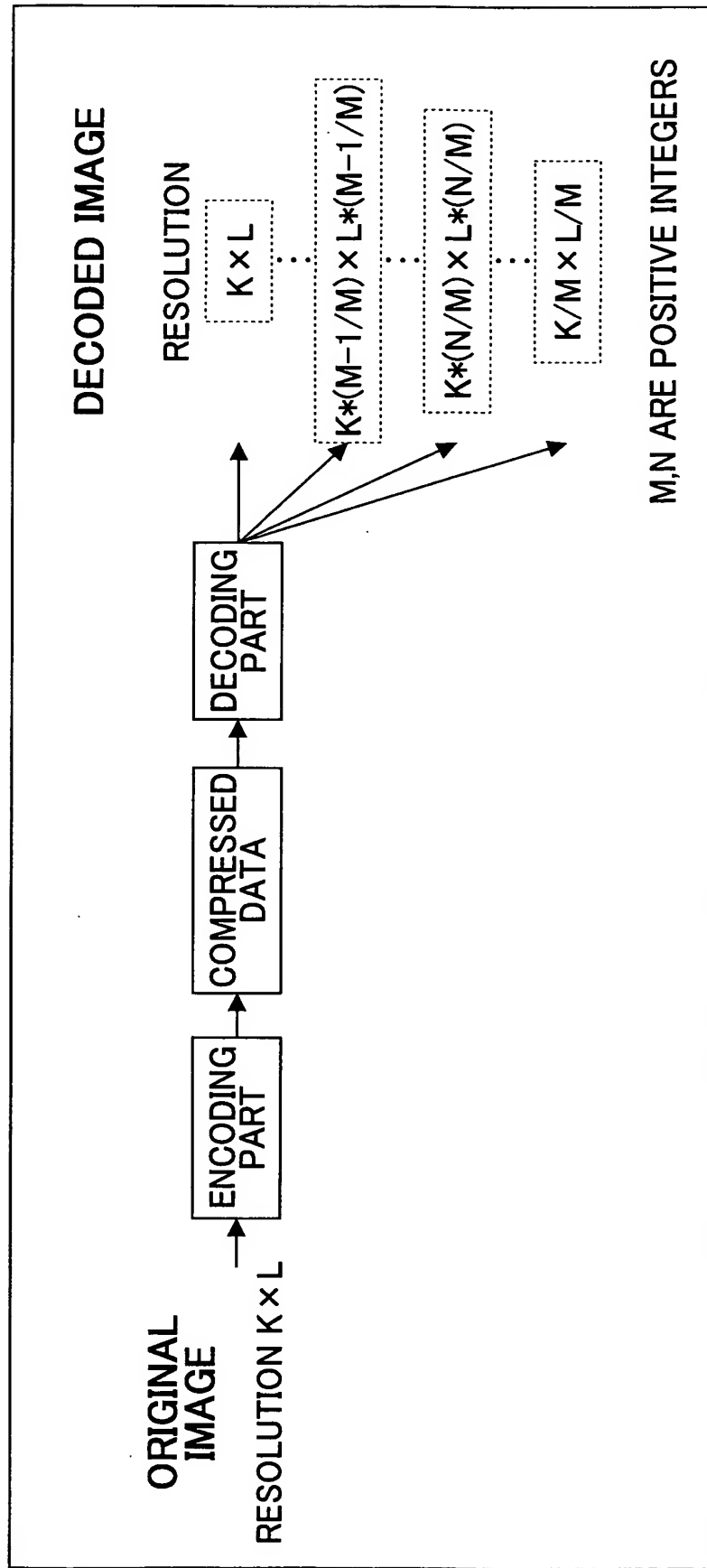


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FIG.2

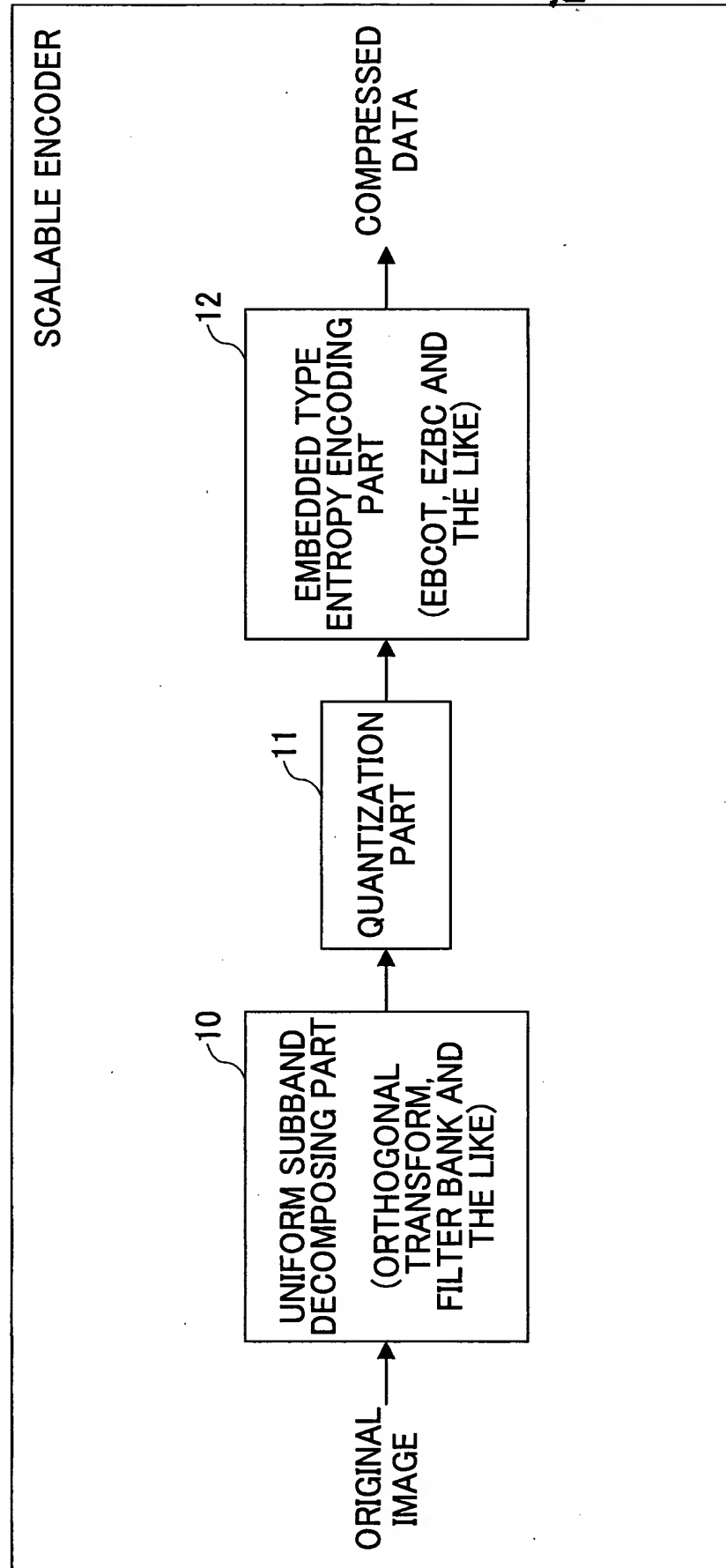


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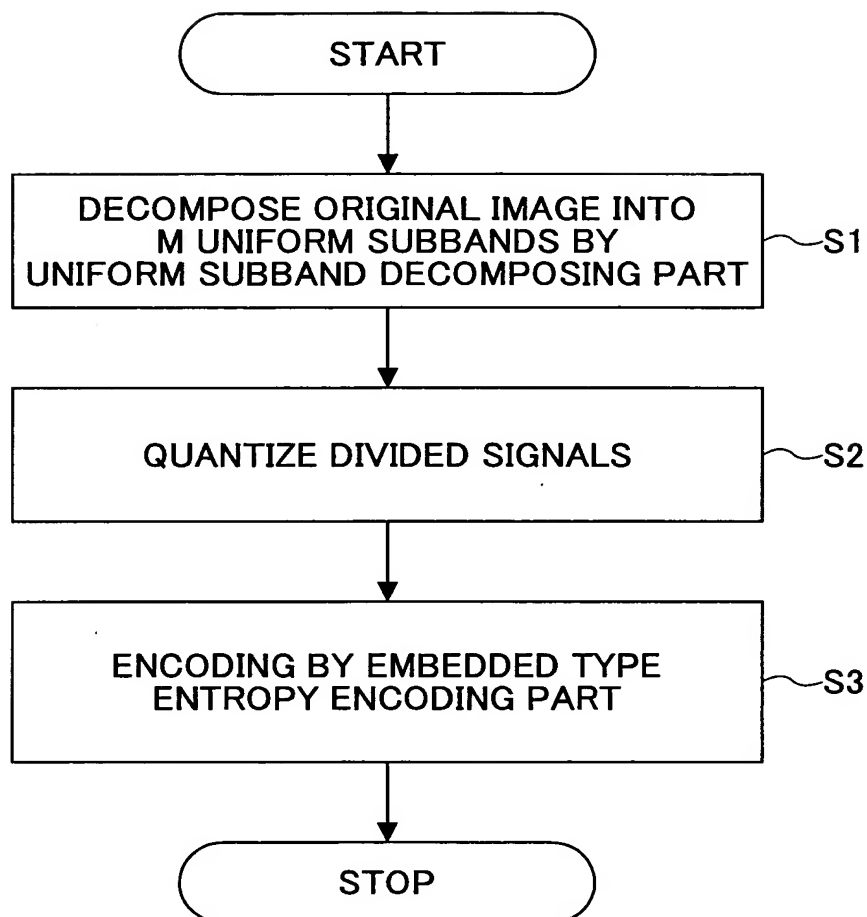
FIG.3



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FIG.4

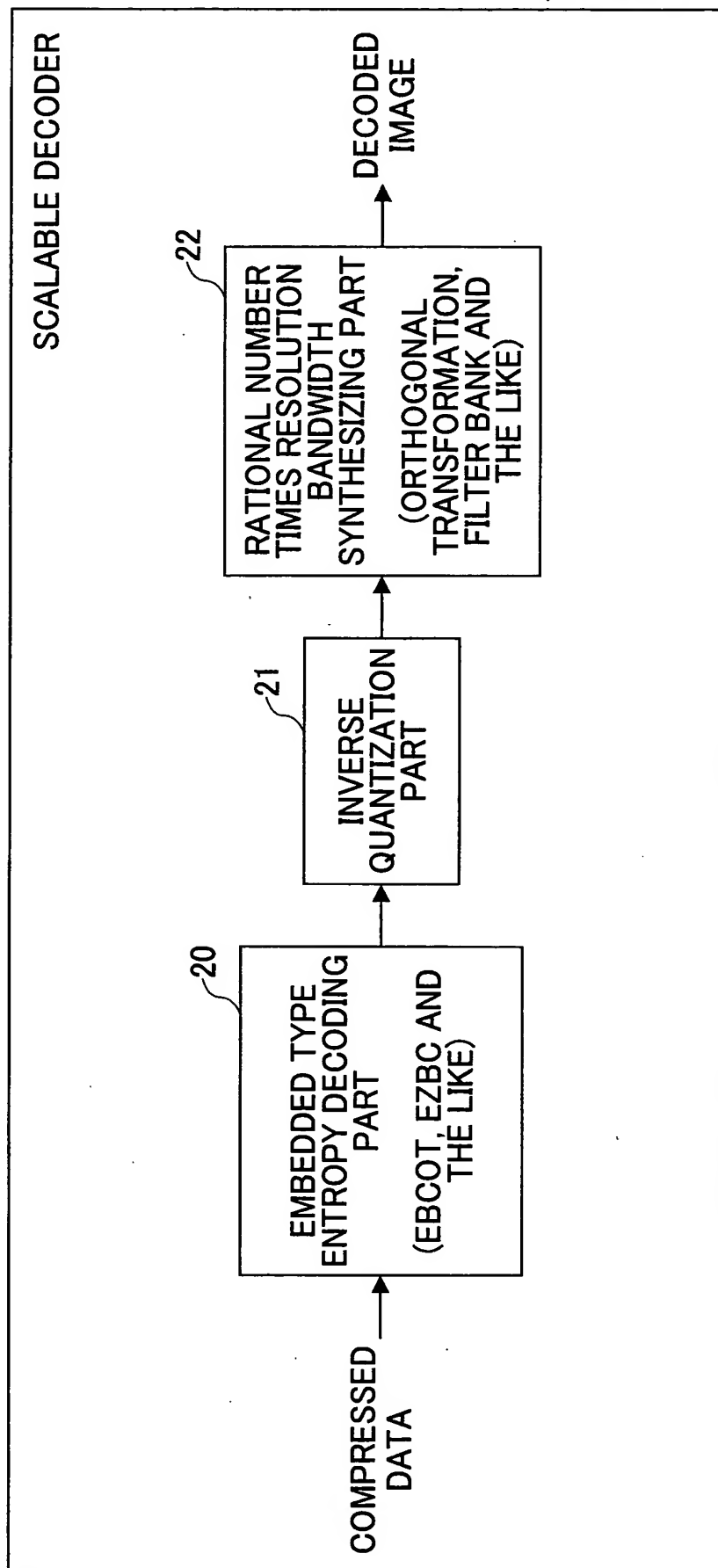


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FIG.5



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FIG.6

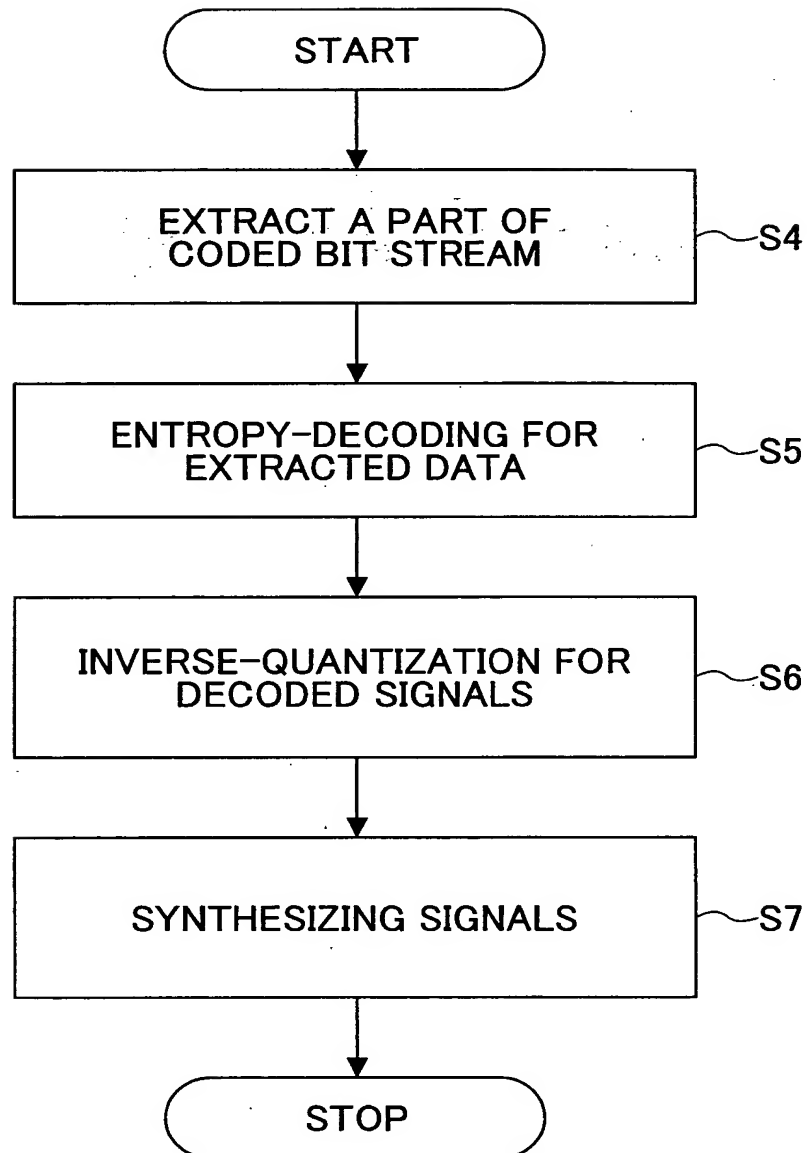
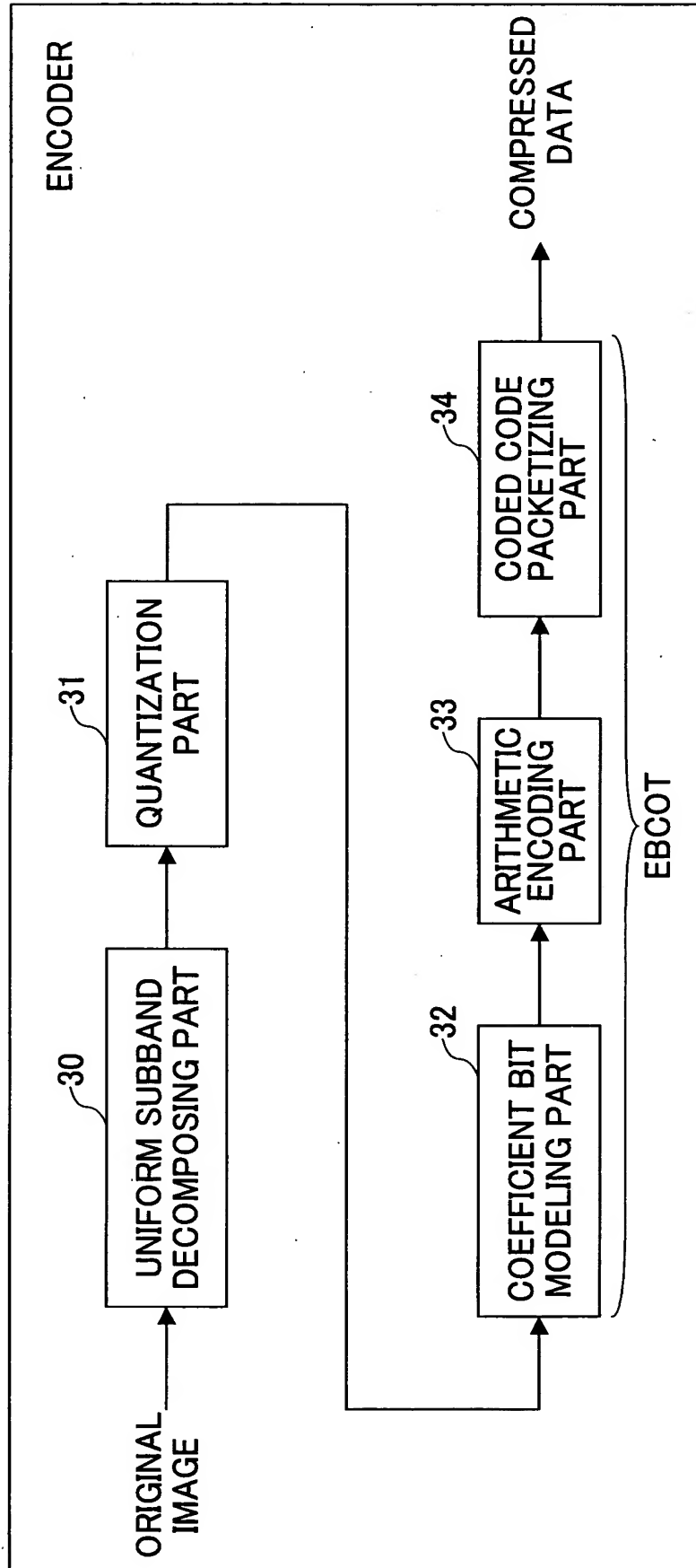


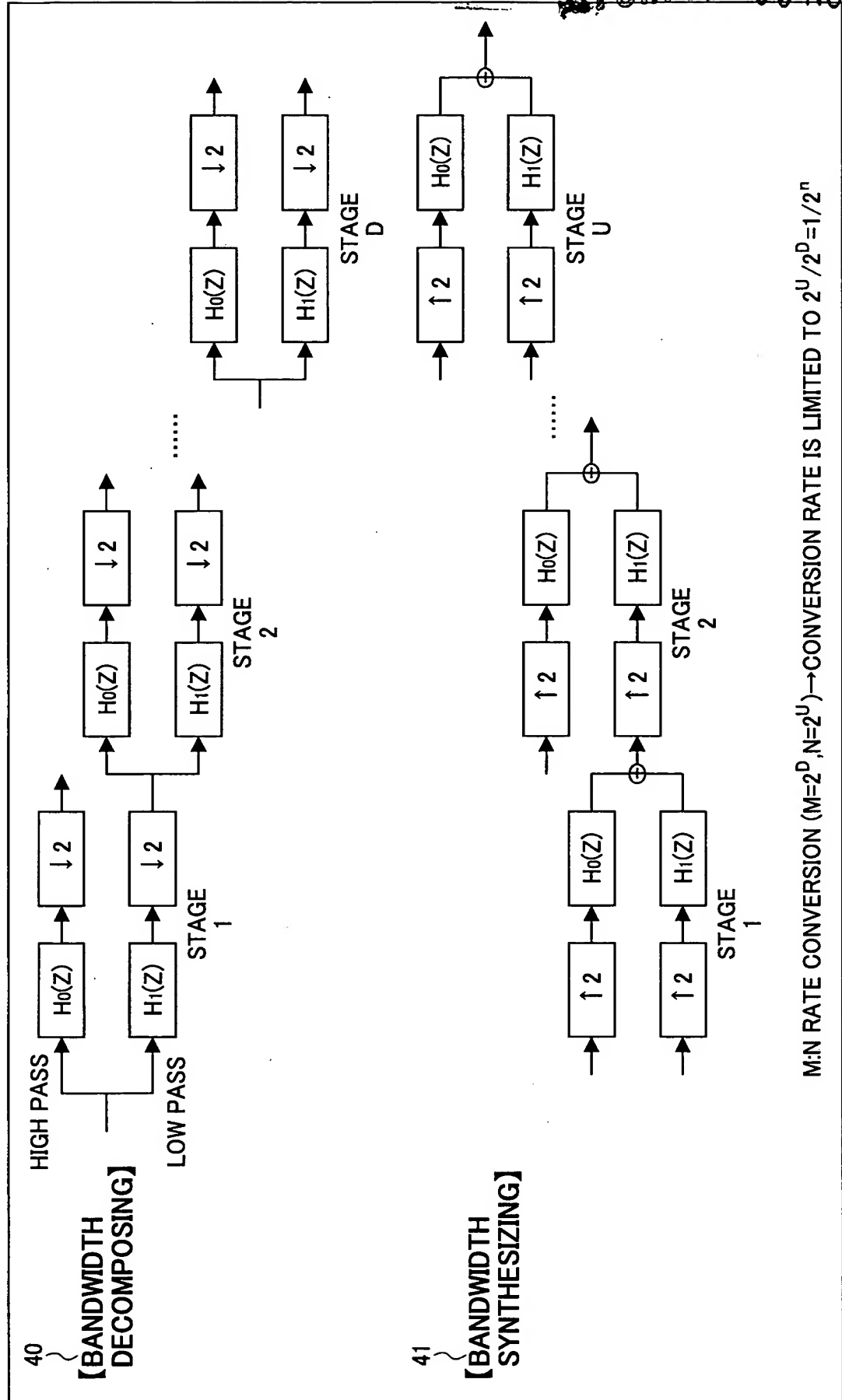
FIG.7



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FIG.8



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FIG.9

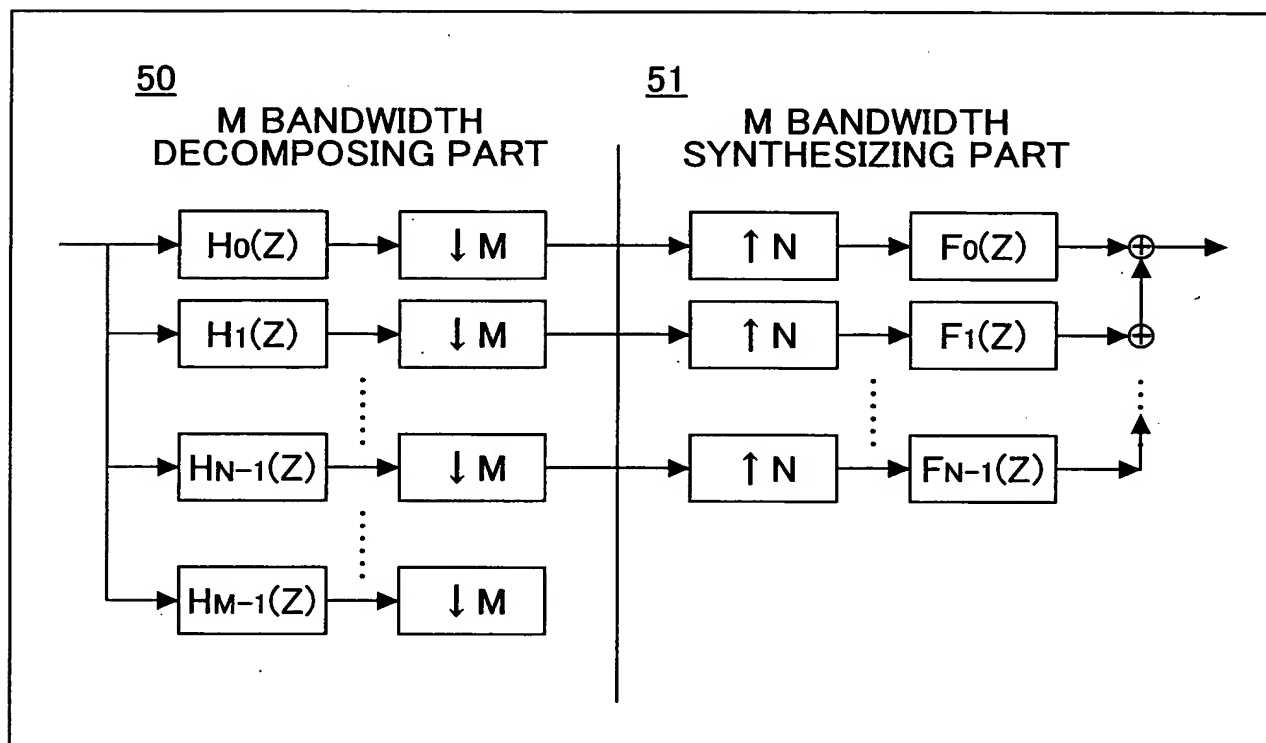
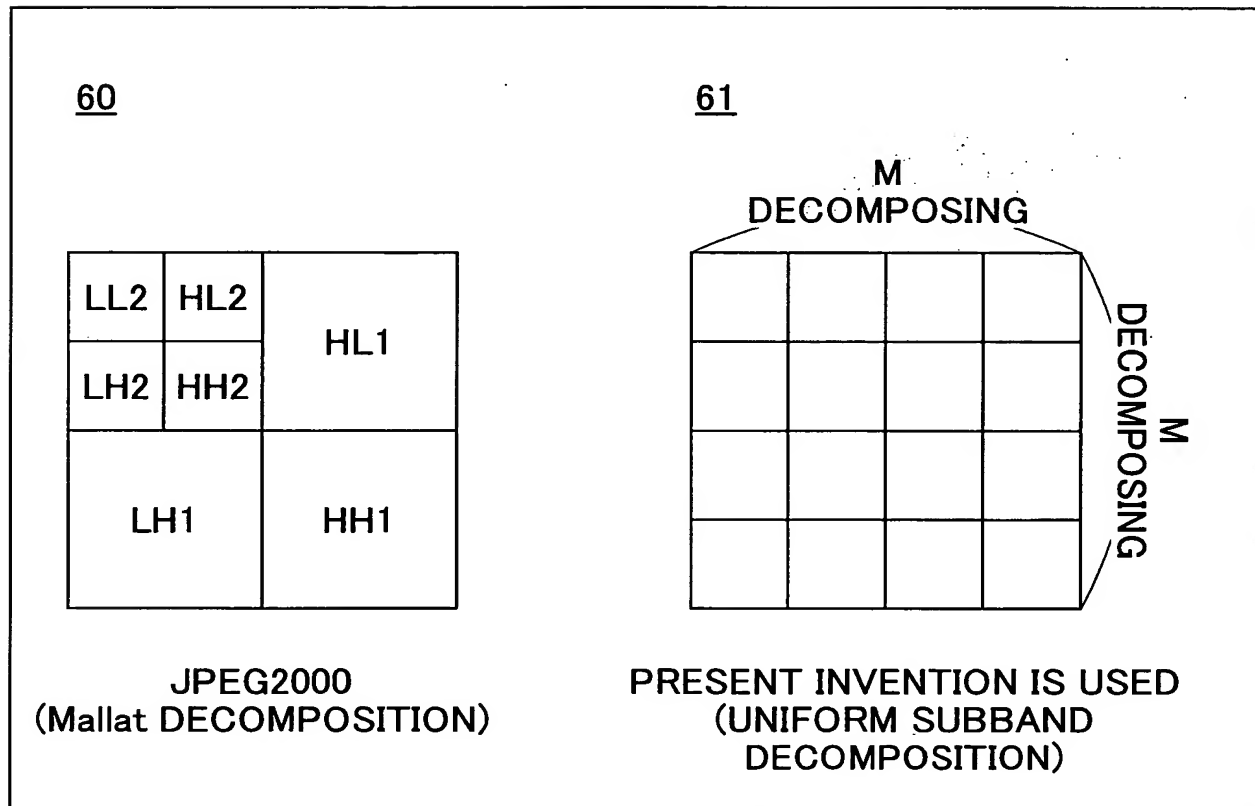


FIG.10



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FIG.11

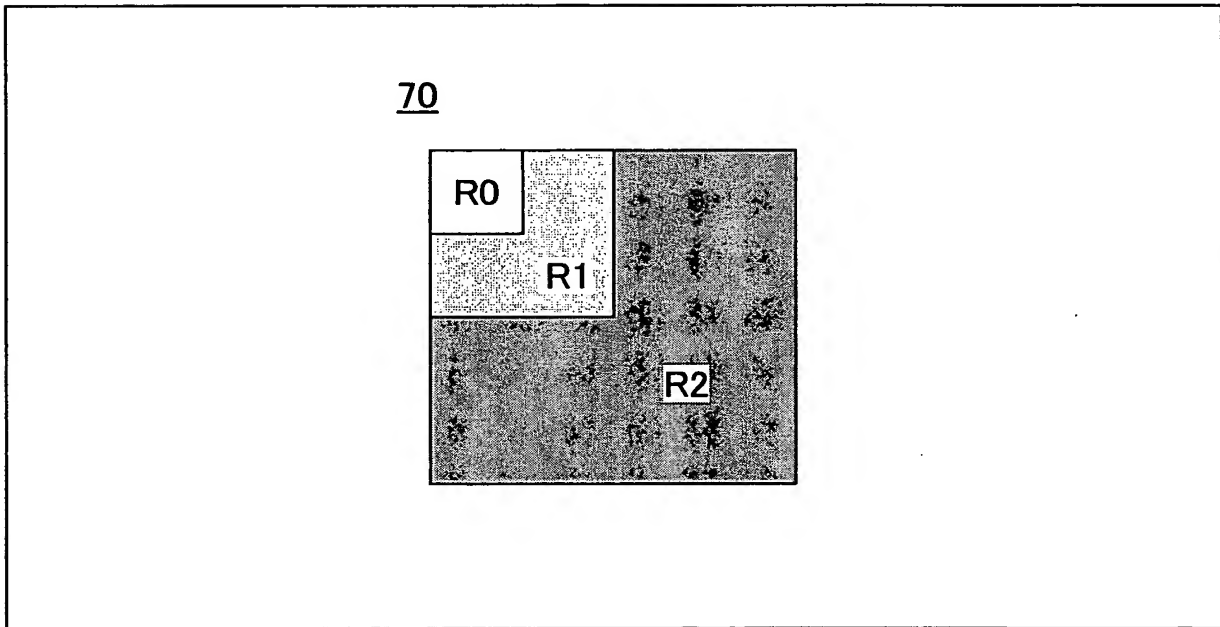
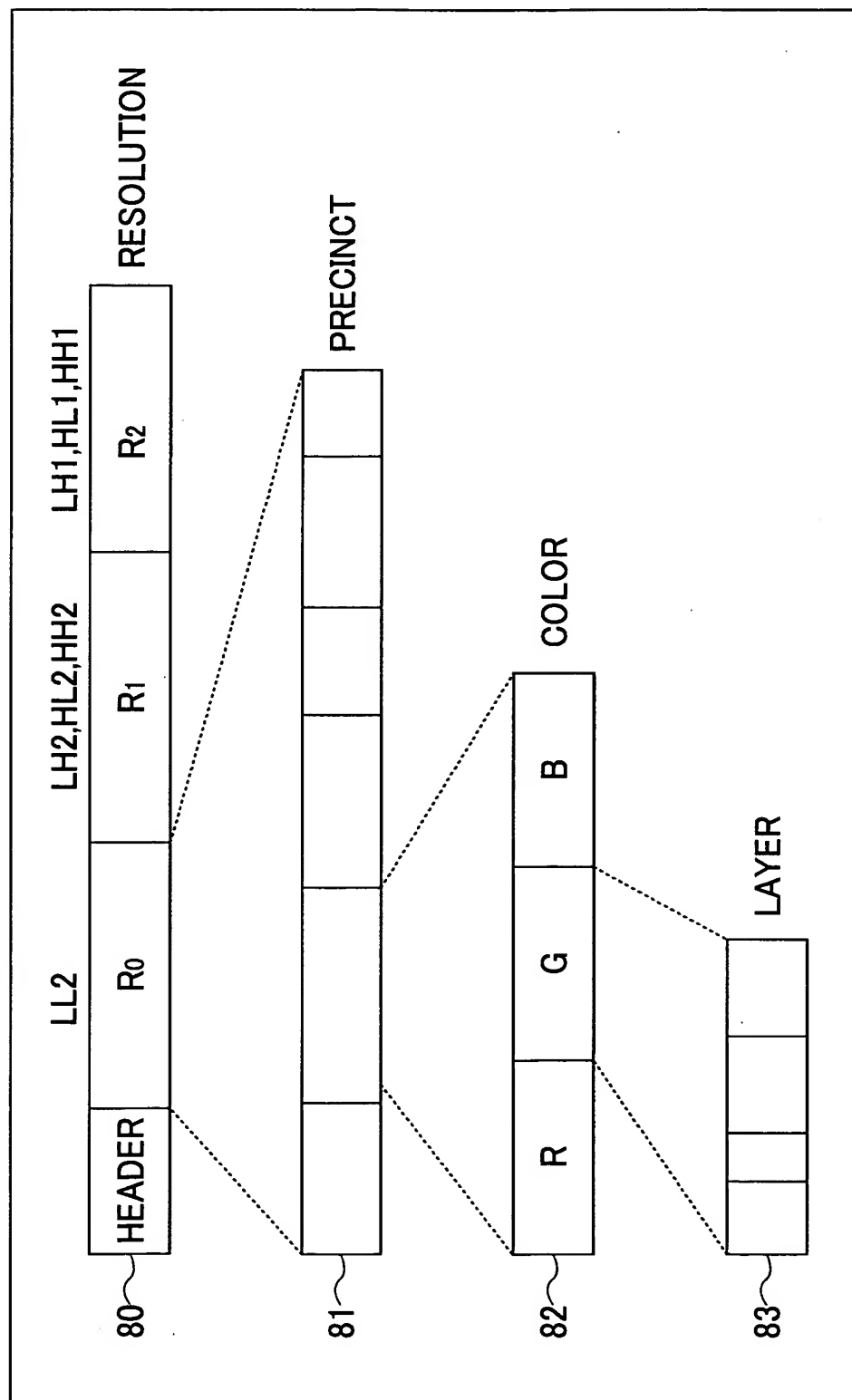


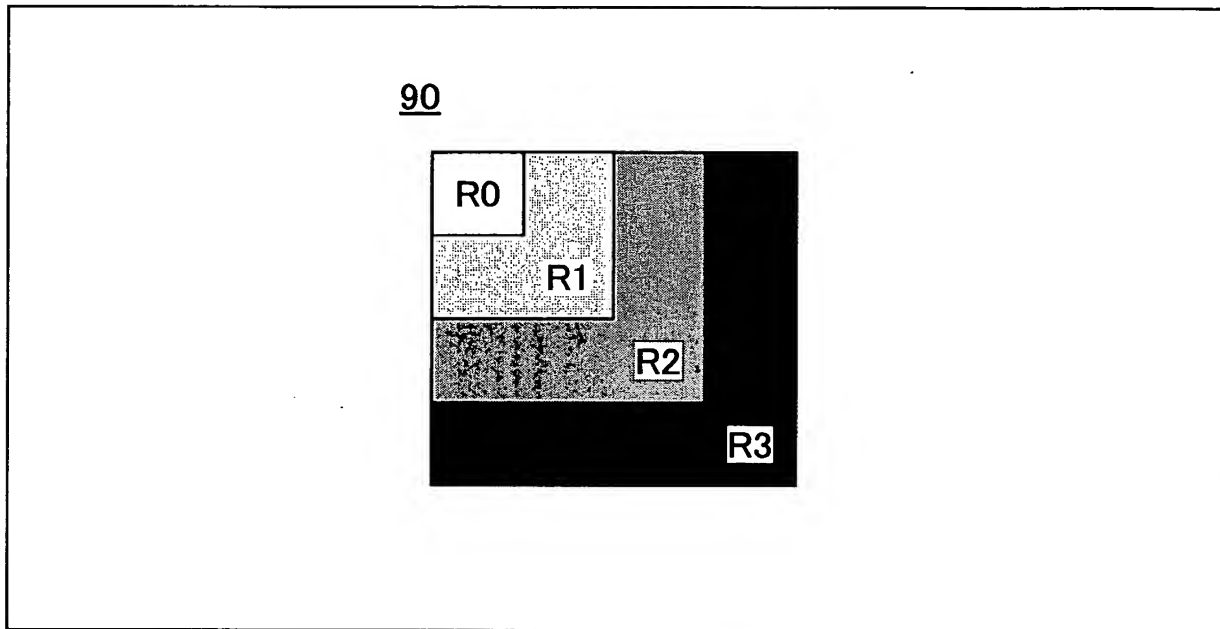
FIG.12



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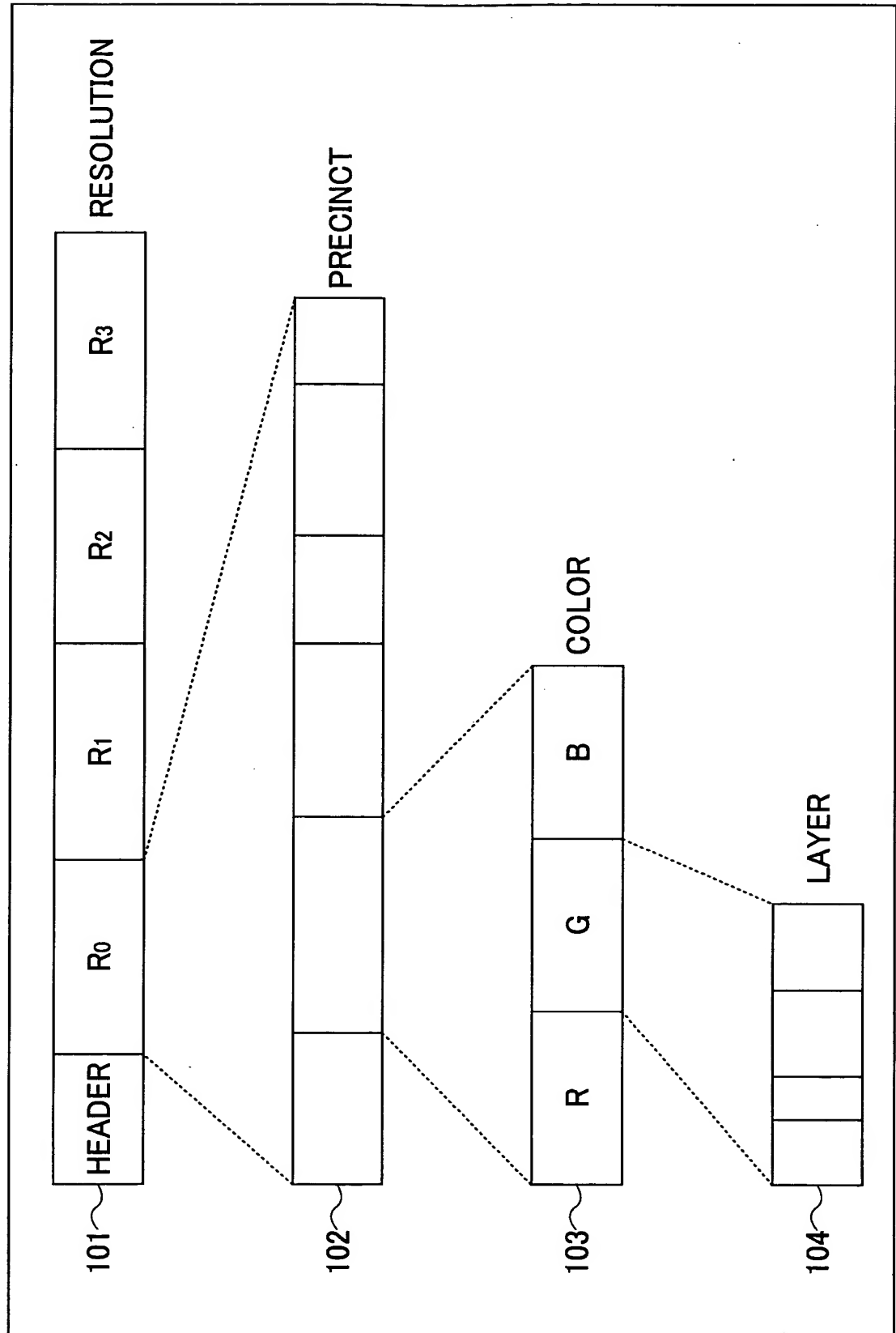
FIG.13



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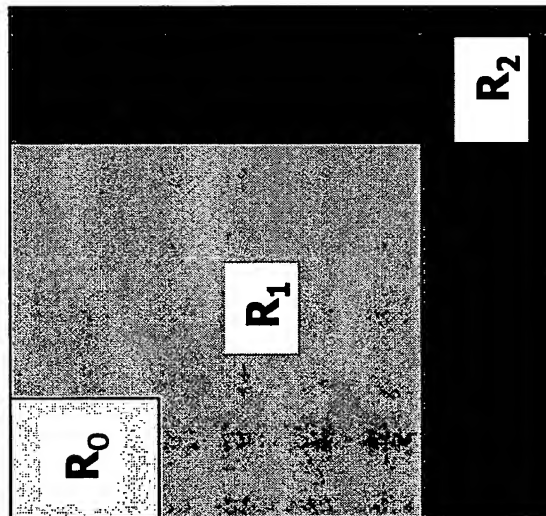
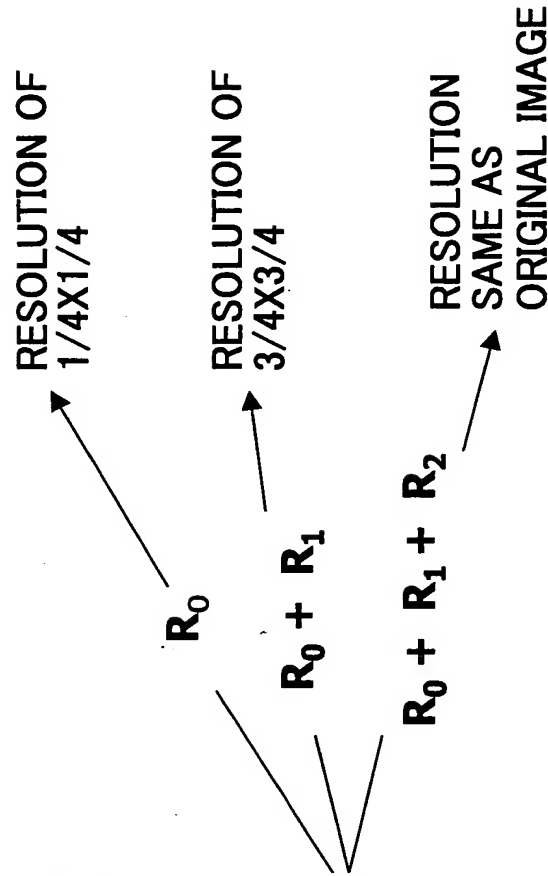
FIG.14



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FIG.15



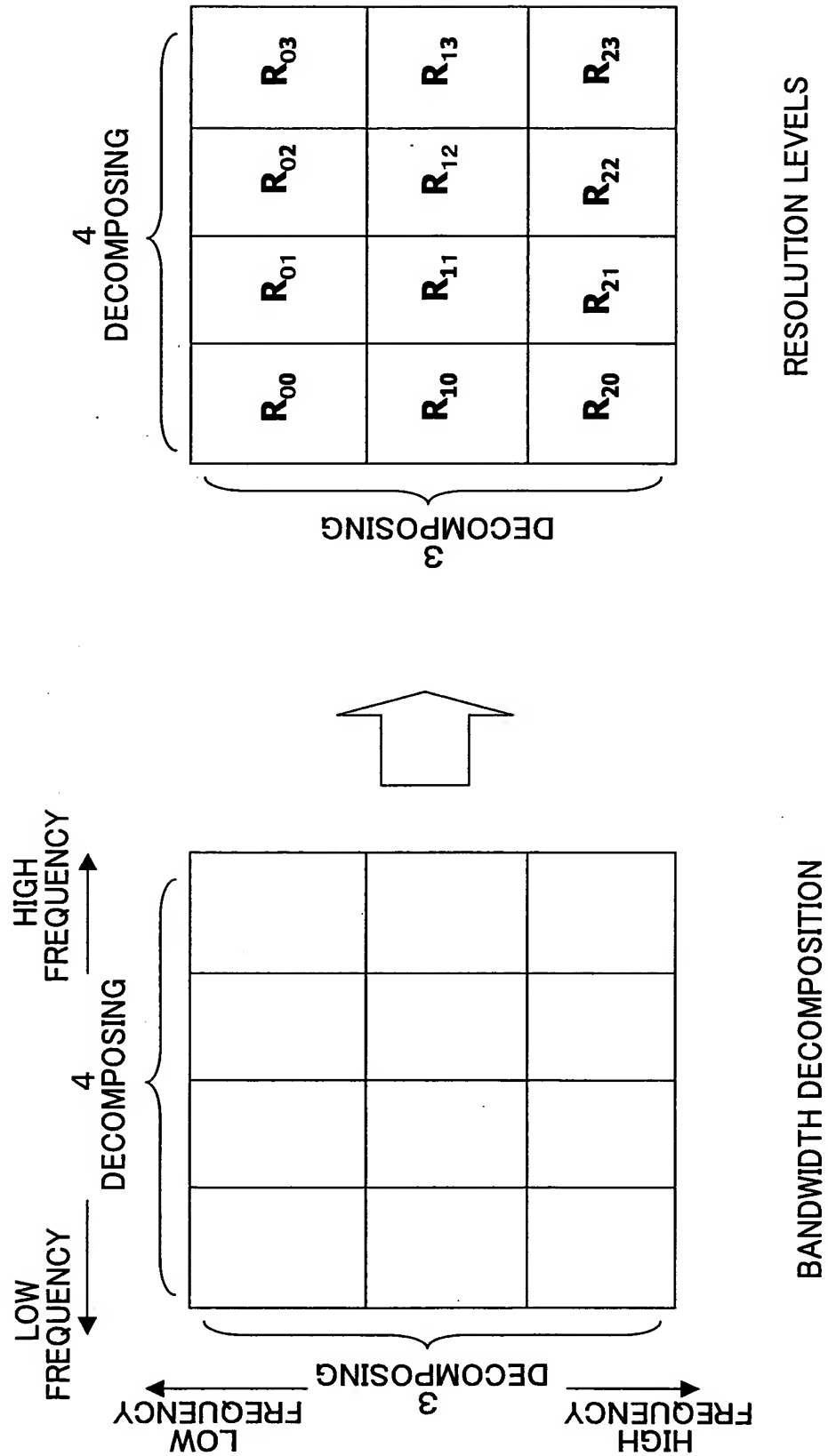
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FIG.16



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FIG.17

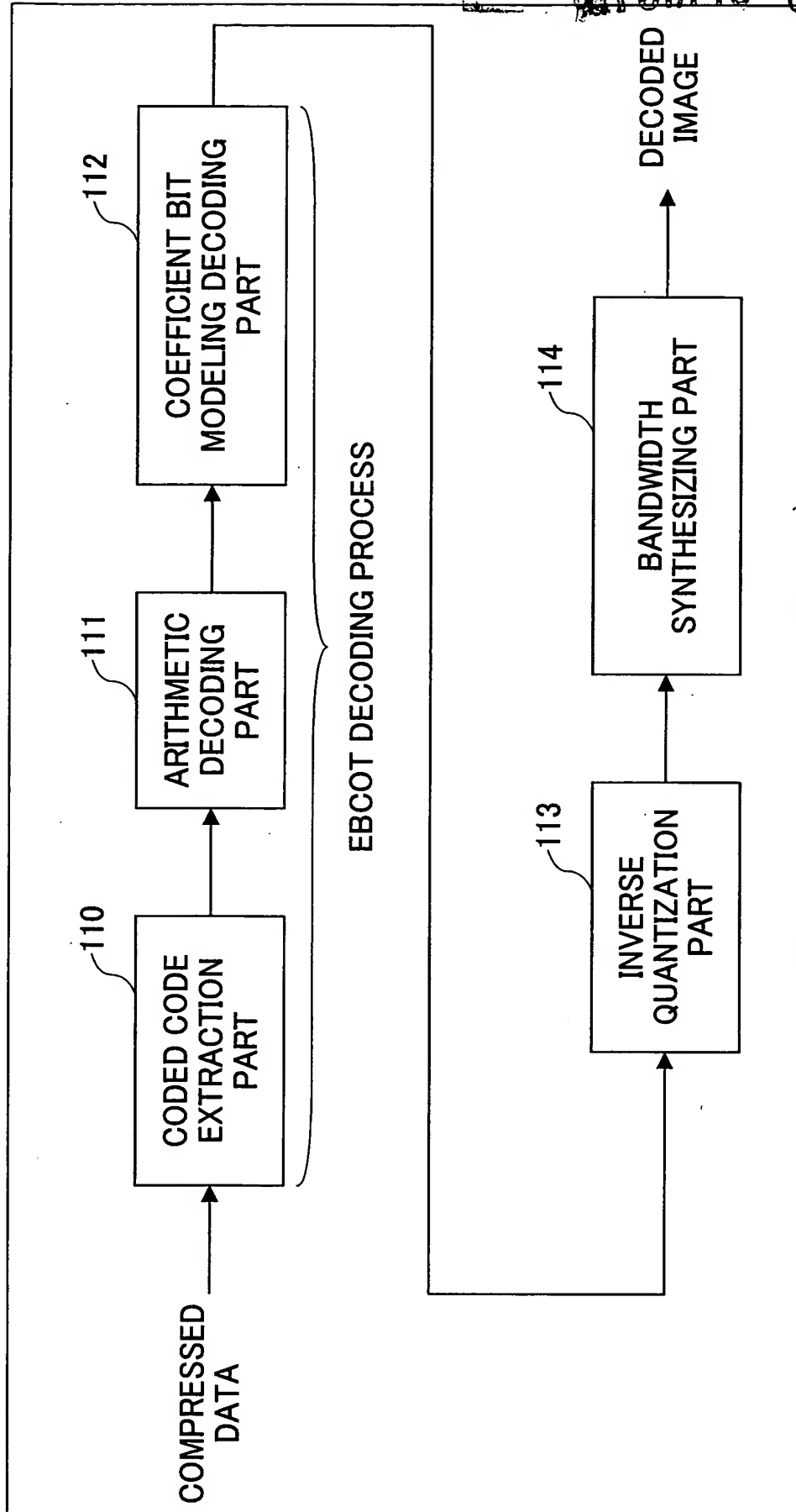
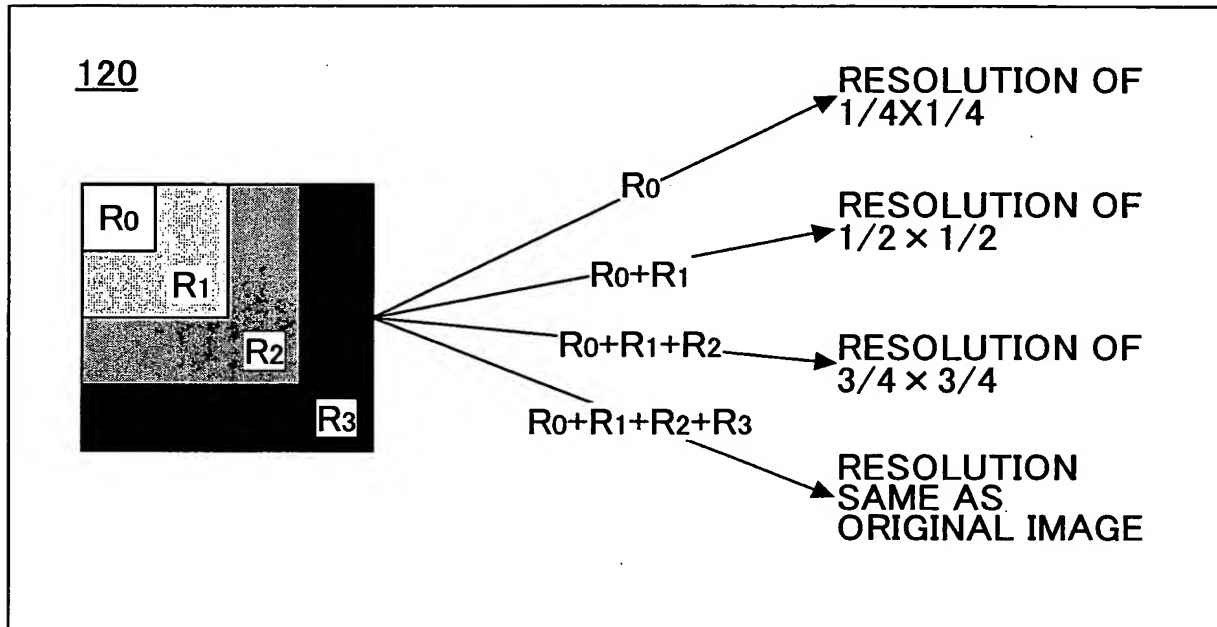


FIG.18

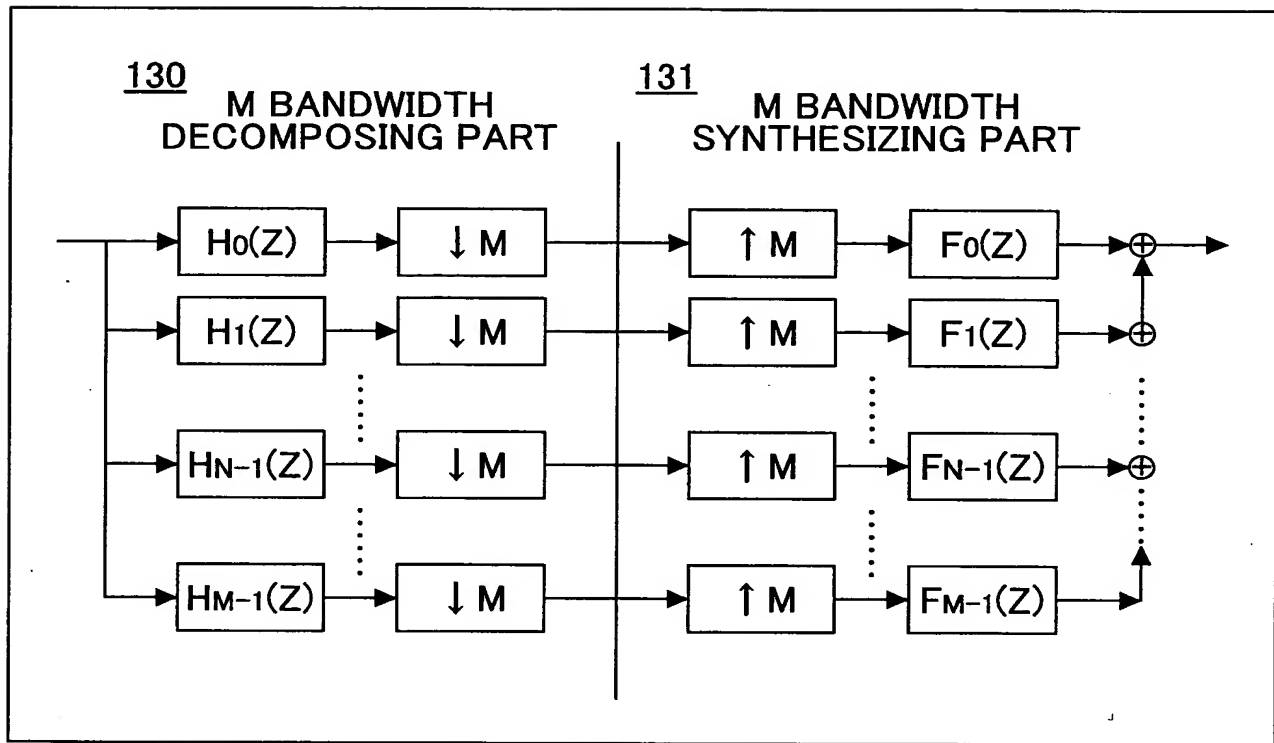


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FIG.19



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FIG.20

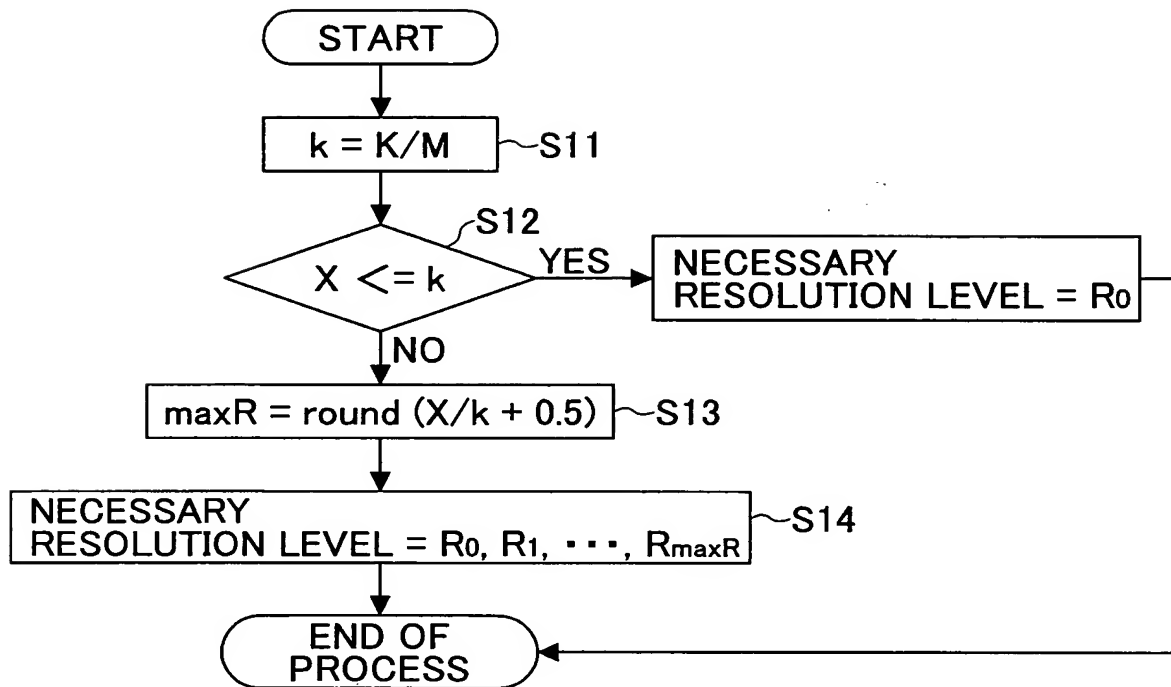


FIG.21

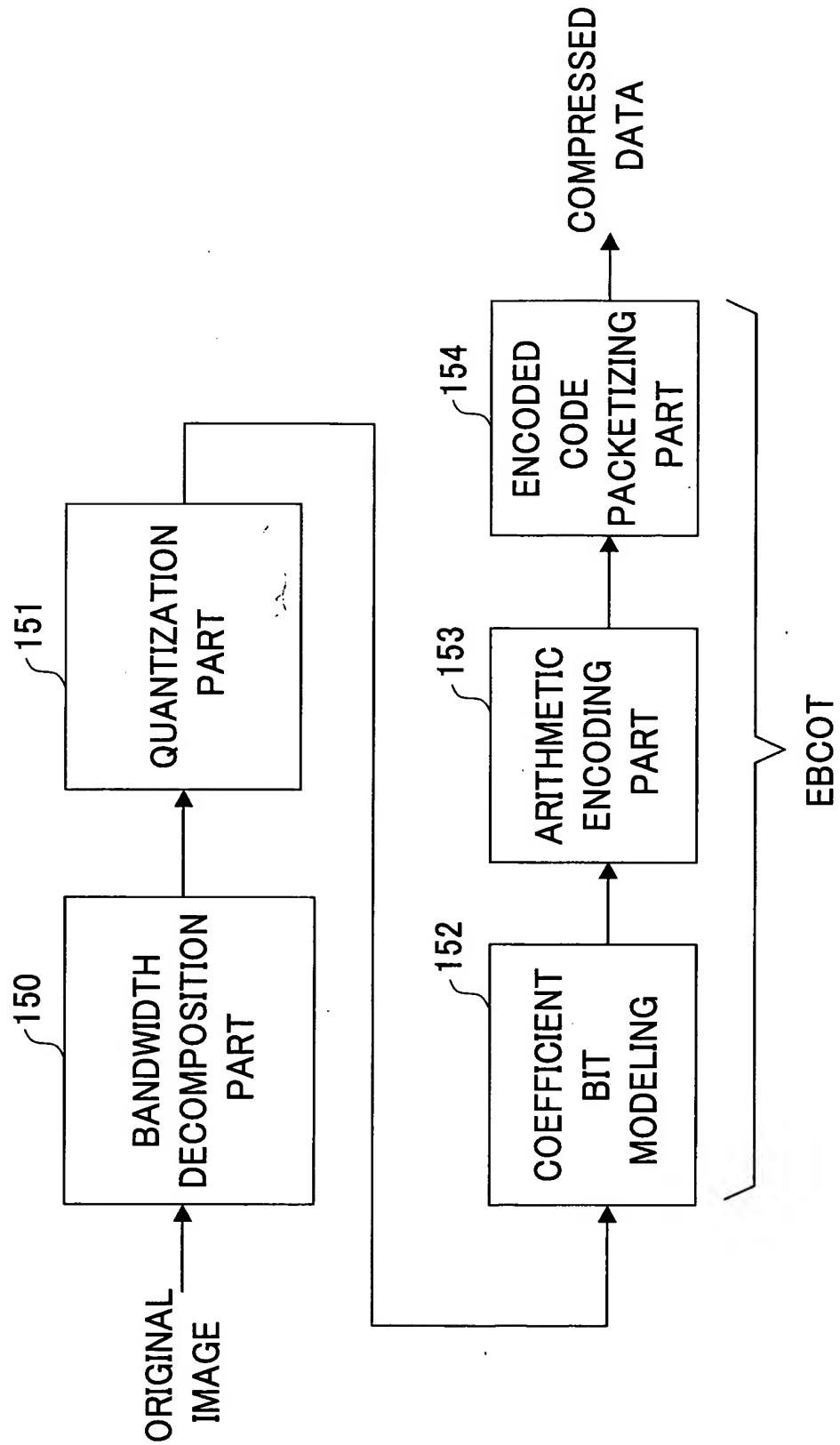
NECESSARY RESOLUTION LEVEL =

$$\begin{pmatrix} R_{00}, & R_{01}, & \dots & R_{0\text{maxRY}} \\ R_{10}, & R_{11}, & \dots & R_{1\text{maxRY}} \\ \dots & \dots & \dots & \dots \\ R_{\text{maxRX}0}, R_{\text{maxRX}1}, & \dots & \dots & R_{\text{maxRXmaxRY}} \end{pmatrix}$$

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FIG.22



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FIG.23

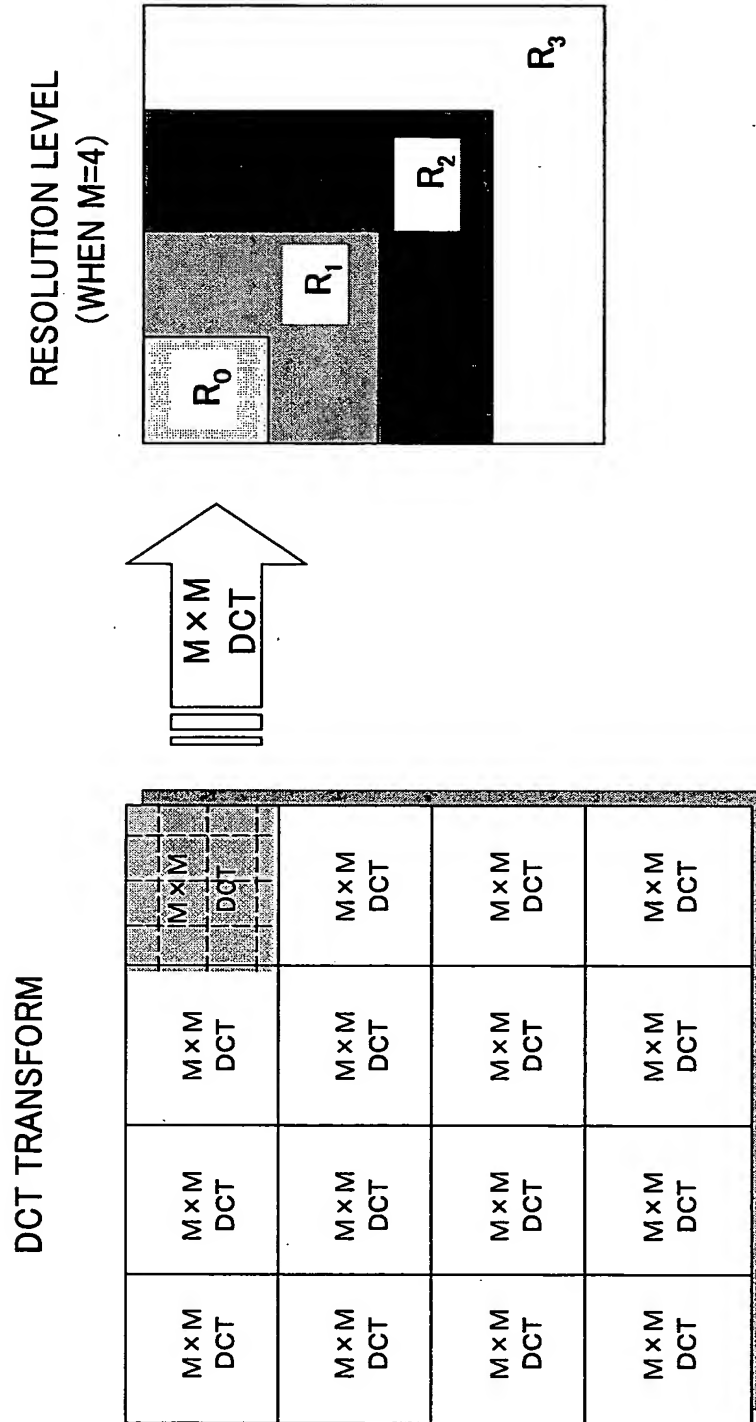
M × M DCT	M × M DCT	M × M DCT	M × M DCT
M × M DCT	M × M DCT	M × M DCT	M × M DCT
M × M DCT	M × M DCT	M × M DCT	M × M DCT
M × M DCT	M × M DCT	M × M DCT	M × M DCT

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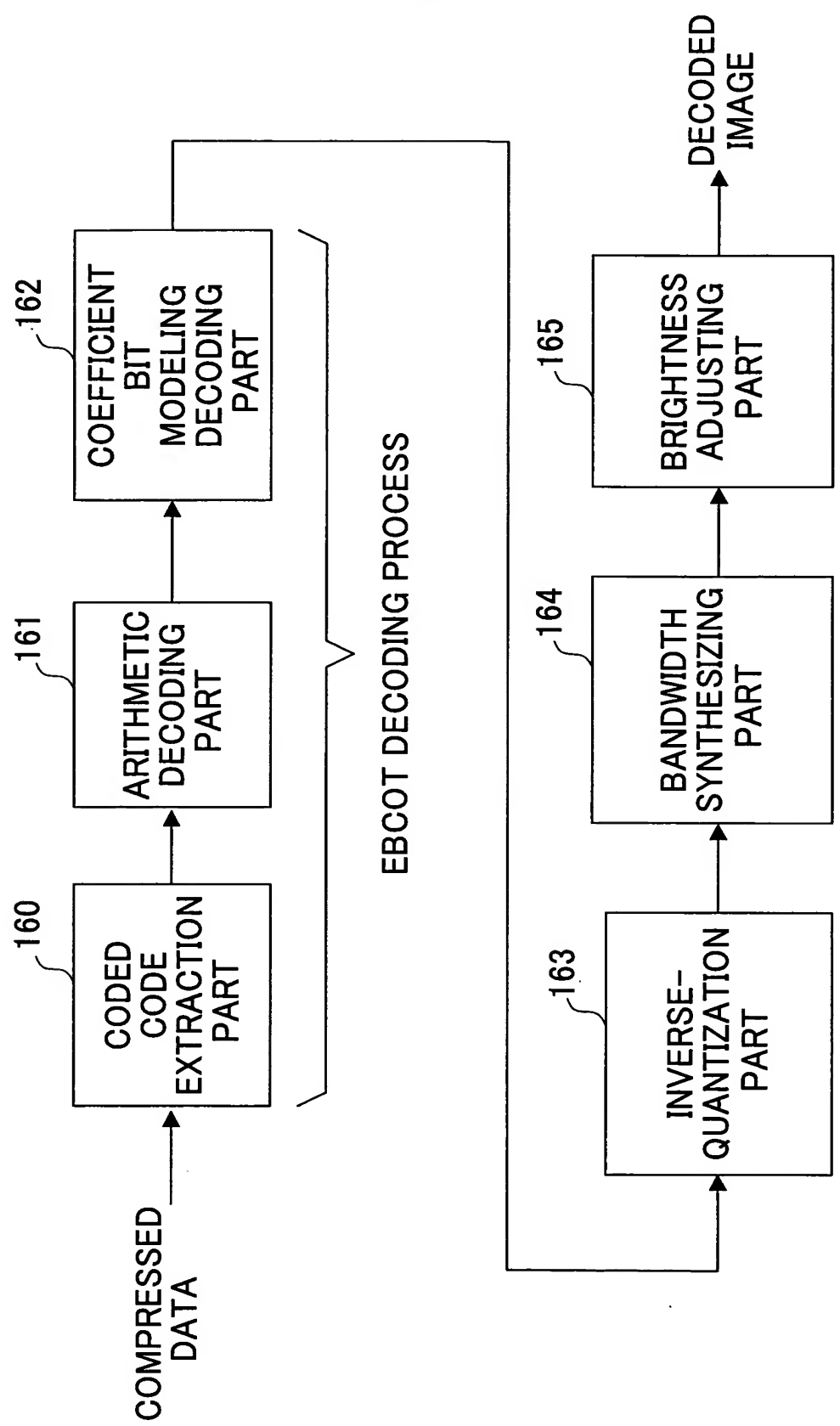
FIG.24



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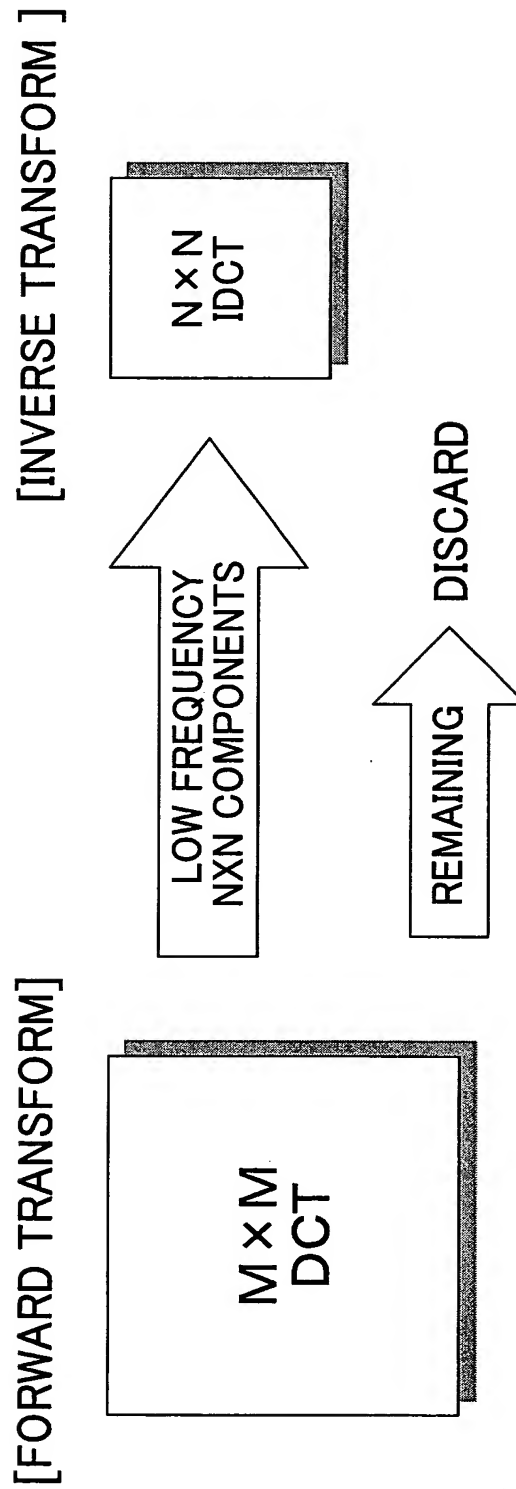
FIG.25



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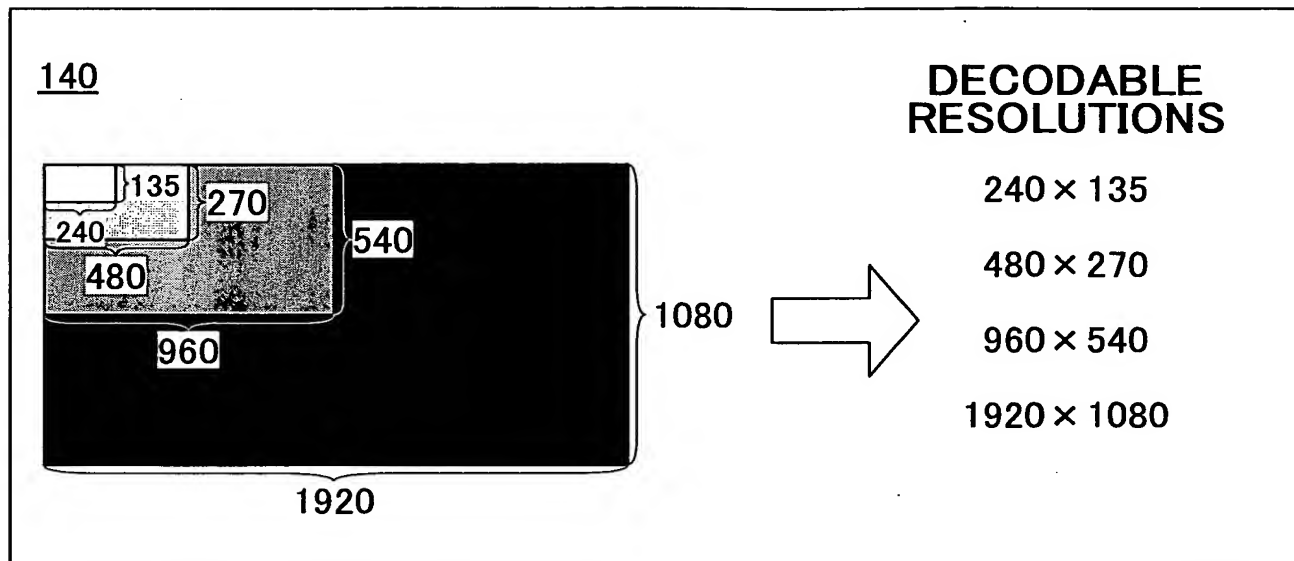
FIG.26



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FIG.27

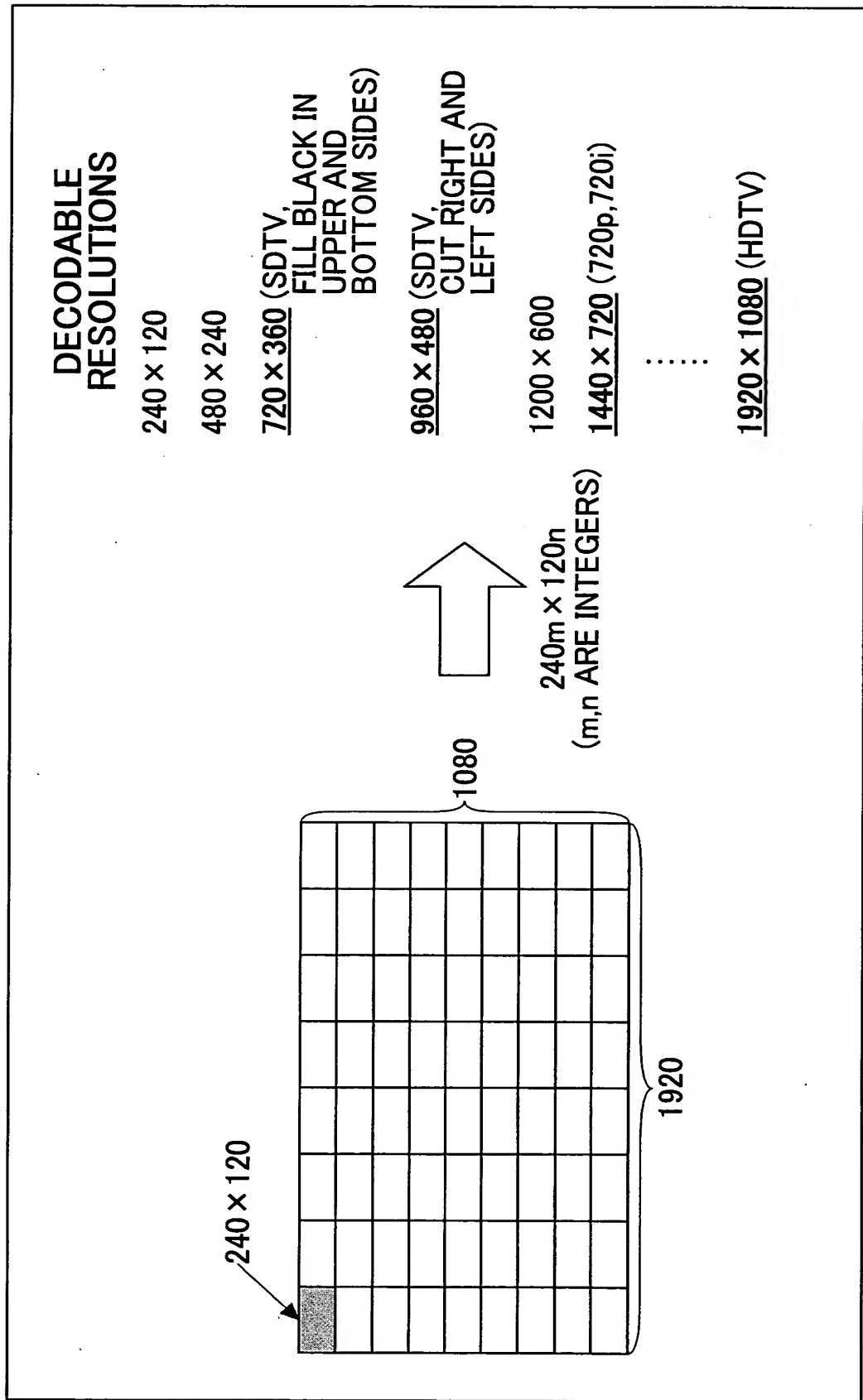


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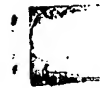
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FIG.28



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FIG.29

ORIGINAL IMAGE	: SIDBA STANDARD IMAGE
NUMBER OF PIXELS	: 256*256 [pixels]
BIT WIDTH	: 8[bit/pixel]
NUMBER OF BYTES	: 65536 [bytes]



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FIG.30A



ORIGINAL IMAGE SIZE (256*256)

FIG.30B



3/4 SCALE
RESOLUTION IMAGE
(192*192)

FIG.30C



2/4 SCALE
RESOLUTION IMAGE
(128*128)

FIG.30D



1/4 SCALE
RESOLUTION IMAGE
(64*64)

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FIG.31

RESOLUTION	1 TIMES (256*256)	3/4 TIMES (192*192)	2/4 TIMES (128*128)	1/4 TIMES (64*64)
CODE SIZE [Bytes]	12705 (1.55bpp)	10800 (2.34bpp)	7706 (3.76bpp)	2525 (4.93bpp)
PSNR [dB]	39.96	39.24	37.20	33.75

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